

Notice of Allowability

Application No.

10/081,933

Examiner

Russell L. Guill

Applicant(s)

MUSHARBASH, BILL N.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on January 12, 2006.
2. ☒ The allowed claim(s) is/are 21,23,48,50,54 and 56-59.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to the applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in telephone interviews with Marc Hanish (Registration No. 42626) on March 24, 2006 and March 27, 2006.
3. The application has been amended as follows:

- a. Claim 21, line 12, the phrase "said endpoints" has been replaced with the following --said pieces of equipment--.
- b. Claim 21, line 16, the phrase "the medium" has been replaced with the following --a medium--.
- c. Claim 21, line 16, the phrase "the end-points" has been replaced with the following --said pieces of equipment--.
- d. Claim 21, line 17 (last line on page), the phrase "said incompatible media; and" has been replaced with the following --said incompatible media;--.
- e. Claim 21, line 19, the phrase "can be executed." has been replaced with the following --can be executed; and displaying an indication of whether the configuration is valid.--.

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- f. Claim 23, line 6, the phrase "with ones specified" has been replaced with the following --with connectors specified--.
 - g. Claim 23, line 8, the phrase "with the ones" has been replaced with the following --with the connectors--.
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- h. Claim 48, line 12, the phrase “said endpoints” has been replaced with the following --said pieces of equipment--.
 - i. Claim 48, line 16, the phrase “the medium” has been replaced with the following --a medium--.
 - j. Claim 48, line 16, the phrase “the end-points” has been replaced with the following --said pieces of equipment--.
 - k. Claim 48, line 17, the word “and” has been deleted.
 - l. Claim 48, line 19, the phrase “can be executed.” has been replaced with the following --can be executed; and means for displaying an indication of whether the configuration is valid.--.
- =====

- m. Claim 50, line 6, the phrase “with ones specified” has been replaced with the following --with connectors specified--.
 - n. Claim 50, line 9, the phrase “ones specified” has been replaced with the following --connectors specified--.
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- o. Claim 54, line 13, the phrase “said endpoints” has been replaced with the following --said pieces of equipment--.
 - p. Claim 54, line 17, the phrase “the medium” has been replaced with the following --a medium--.
 - q. Claim 54, line 17, the phrase “the end-points” has been replaced with the following --said pieces of equipment--.
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- r. Claim 56, line 8, the phrase “with ones specified” has been replaced with the following --with connectors specified--.
 - s. Claim 56, line 10, the phrase “with the ones” has been replaced with the following --with the connectors--.
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- t. Claim 57, line 6, the phrase “with ones specified” has been replaced with the following --with connectors specified--.

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u. Claim 57, line 8, the phrase "with the ones" has been replaced with the following --with the connectors--.

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v. Claim 58, line 6, the phrase "with ones specified" has been replaced with the following --with connectors specified--.

w. Claim 58, line 9, the phrase "ones specified" has been replaced with the following --connectors specified--.

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x. Claim 59, line 8, the phrase "with ones specified" has been replaced with the following --with connectors specified--.

y. Claim 59, line 10, the phrase "with the ones" has been replaced with the following --with the connectors--.

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4. Claims 21, 23, 48, 50, 54, 56 - 59 are allowed over the prior art of record.

5. The following is an examiner's statement of reasons for allowance:

a. While Lynch (U.S. Patent No. 6,141,636) and Paseman (U.S. Patent No. 5,745,765) teach a method, an apparatus, and a program storage device for adding a connection between pieces of equipment in a design of an equipment-based system, neither of these references taken either alone or in combination with the prior art of record teach the aforementioned method for adding a connection between pieces of equipment in a design of an equipment-based system specifically including:

i. **Claims 21, 48 and 54:** comparing port detail, payload, protocol, signal types, and cabling requirements in the model for the ports of the pieces of equipment; indicating the connection is

valid if a fixed connection rule is available for the connection of said ports of said pieces of equipment; indicating the connection is not valid if the connection is listed in a compatibility issues table and no resolution code is listed which can be executed, in combination with the remaining elements and features of the claimed invention.

It is for these reasons that the Applicant's invention defines over the prior art of record.

b. While Lynch (U.S. Patent No. 6,141,636) and Paseman (U.S. Patent No. 5,745,765) teach a method, an apparatus, and a program storage device for selecting a cable to connect two or more pieces of equipment in a design of an equipment-based system, neither of these references taken either alone or in combination with the prior art of record teach the aforementioned method for selecting a cable to connect two or more pieces of equipment in a design of an equipment-based system specifically including:

i. **Claims 23, 50, 56:** isolating all cables of a common cable type specified at each port of the pieces of equipment; isolating all cables within a minimum and maximum value of a composite cabling specification; determining if a preferred cable manufacturer is specified; isolating all cables made by the preferred cable manufacturer if one is specified; in combination with the remaining elements and features of the claimed invention.

It is for these reasons that the Applicant's invention defines over the prior art of record.

c. While Lynch (U.S. Patent No. 6,141,636) and Paseman (U.S. Patent No. 5,745,765) teach a method, an apparatus and a program storage device for selecting a cable to connect two or more pieces of equipment in a design of an equipment-based system, neither of these references taken either alone or in combination with the prior art of record teach the aforementioned method for selecting a cable to connect two or more pieces of equipment in a design of an equipment-based system specifically including:

- i. **Claims 57, 58, 59:** isolating all cables of a common cable type specified at each port of the pieces of equipment; isolating all cables within a minimum and maximum value of a composite cabling specification,, in combination with the remaining elements and features of the claimed invention.

It is for these reasons that the Applicant's invention defines over the prior art of record.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Russell L. Guill whose telephone number is 571-272-7955. The examiner can normally be reached on Monday – Friday 10:00 AM – 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Rodriguez can be reached on 571-272-3753. The fax phone number for


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the organization where this application or proceeding is assigned is 571-273-8300. Any inquiry of a general nature or relating to the status of this application should be directed to the TC2100 Group Receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Russ Guill
Examiner
Art Unit 2123

RG


Paul L. Rodriguez 4/3/06
Primary Examiner
Art Unit 2123